CRF Errors Corrected by the STI Systems Branch

Serial Number: _09/832,899_

CRF Processing Date:_____
Edited by: _____
Verified by: _____ (STIC staff)

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically: **ENTERED**
_____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
_____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
_____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
_____

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:
_____

☐ Deleted extra, invalid, headings used by an applicant, specifically:
_____

☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as_____.

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:
_____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:
_____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☐ Other:
_____
_____
_____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

```
        RAW SEQUENCE LISTING               DATE: 05/03/2001
        PATENT APPLICATION:   US/09/832,899    TIME: 16:19:07

        Input Set : A:\Cpg.pto
        Output Set: N:\CRF3\05032001\I832899.raw
```

```
     4 <110> APPLICANT: TRANSGENE S.A.
     6 <120> TITLE OF INVENTION: Poxvirus with targeted infection specificity
     8 <130> FILE REFERENCE: D18836
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/832,899
C--> 10 <141> CURRENT FILING DATE: 2001-04-12
    10 <150> PRIOR APPLICATION NUMBER: EP 00 44 0109
    11 <151> PRIOR FILING DATE: 2000-04-14
    13 <150> PRIOR APPLICATION NUMBER: EP 01 44 0009
    14 <151> PRIOR FILING DATE: 2001-01-22
    16 <150> PRIOR APPLICATION NUMBER: US 60/246 080
    17 <151> PRIOR FILING DATE: 2000-11-07
    19 <160> NUMBER OF SEQ ID NOS: 21
    21 <170> SOFTWARE: PatentIn Ver. 2.1
    23 <210> SEQ ID NO: 1
    24 <211> LENGTH: 24
    25 <212> TYPE: DNA
    26 <213> ORGANISM: Artificial Sequence
    28 <220> FEATURE:
    29 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer to
    30       amplify the MVA 138L gene and flanking region
    32 <400> SEQUENCE: 1
    33 cagactggac ggcgtccata tgag                                      24
    36 <210> SEQ ID NO: 2
    37 <211> LENGTH: 61
    38 <212> TYPE: DNA
    39 <213> ORGANISM: Artificial Sequence
    41 <220> FEATURE:
    42 <221> NAME/KEY: gene
    43 <222> LOCATION: Complement((1)..(61))
    45 <220> FEATURE:
    46 <223> OTHER INFORMATION: Description of Artificial Sequence: antisens PCR
    47       primer to amplify the 3' end of MVA 138L gene and
    48       3' flanking region
    50 <400> SEQUENCE: 2
    51 catttttaa gtatagaata aaagatcccg ggagtaccat cgtgattctt accagatatt 60
    52 a                                                              61
    55 <210> SEQ ID NO: 3
    56 <211> LENGTH: 61
    57 <212> TYPE: DNA
    58 <213> ORGANISM: Artificial Sequence
    60 <220> FEATURE:
    61 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer to
    62       amplify E. coli gpt gene and H5R promoter
    64 <220> FEATURE:
    65 <221> NAME/KEY: gene
    66 <222> LOCATION: (1)..(61)
    68 <400> SEQUENCE: 3
```

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PATENT APPLICATION: US/09/832,899   TIME: 16:19:07

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```
69 taatatctgg taagaatcac gatggtactc ccgggatctt ttattctata cttaaaaat 60
70 g                                                              61
73 <210> SEQ ID NO: 4
74 <211> LENGTH: 35
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Description of Artificial Sequence: antisense PCR
80       primer to amplify E. coli GPT gene and pH5R
81       promoter
83 <400> SEQUENCE: 4
84 ggggttaatt aaggaagtta aaaagaacaa cgccc                          35
87 <210> SEQ ID NO: 5
88 <211> LENGTH: 38
89 <212> TYPE: DNA
90 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer to
94       amplify the upstream region of MVA 138L gene.
96 <400> SEQUENCE: 5
97 gggggaattc gagcttatag cgtttagttc aggtacgg                       38
100 <210> SEQ ID NO: 6
101 <211> LENGTH: 44
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Description of Artificial Sequence: antisense PCR
107       primer to amplify the upstream region of the MVA
108       138L gene
110 <400> SEQUENCE: 6
111 ggggaagctt ttaaagtaca gattttagaa actgacactc tgcg                44
114 <210> SEQ ID NO: 7
115 <211> LENGTH: 68
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Description of Artificial Sequence:antisense
121       primer to amplify the upstream region of the MVA
122       138L gene
124 <400> SEQUENCE: 7
125 ggggaagctt caagagcggc acggctcccg ccgctgcgac gttcaggagg accaaggcaa 60
126 ccacgaac                                                        68
129 <210> SEQ ID NO: 8
130 <211> LENGTH: 31
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer to
136       amplify the MVA 138L gene and its downstream
```

RAW SEQUENCE LISTING   DATE: 05/03/2001
PATENT APPLICATION: US/09/832,899   TIME: 16:19:07

          Input Set : A:\Cpg.pto
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137   region
139 <400> SEQUENCE: 8
140 ggggaagctt atggacggaa ctcttttccc c   31
143 <210> SEQ ID NO: 9
144 <211> LENGTH: 37
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Description of Artificial Sequence: antisense PCR
150   primer to amplify the MVA 138L gene and its
151   downstream region
153 <400> SEQUENCE: 9
154 gggggaattc gcttatcgtt atcgggttta gcttctg   37
157 <210> SEQ ID NO: 10
158 <211> LENGTH: 68
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer to
164   amplify SM3 scFv sequence
166 <400> SEQUENCE: 10
167 cgcagagtgt cagtttctaa aatctgtact ttaaatggtg cagctgcagg agtctggagg 60
168 aggcttgg   68
171 <210> SEQ ID NO: 11
172 <211> LENGTH: 58
173 <212> TYPE: DNA
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
177 <223> OTHER INFORMATION: Description of Artificial Sequence: antisense PCR
178   primer to amplify the SM3 scFv sequence
180 <400> SEQUENCE: 11
181 gatcgtcatc tccggggaaa agagttccgt ccatcagttt ggttcctcca ccgaacac   58
184 <210> SEQ ID NO: 12
185 <211> LENGTH: 57
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer to
191   amplify the SM3 scFv sequence
193 <400> SEQUENCE: 12
194 cctgaacgtc gcagcggcgg gagccgtgcc gctcttggtg cagctgcagg agtctgg   57
197 <210> SEQ ID NO: 13
198 <211> LENGTH: 111
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Description of Artificial Sequence: sequence of
204   the synthetic p11k7.5 promoter
206 <400> SEQUENCE: 13

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/832,899

DATE: 05/03/2001
TIME: 16:19:07

Input Set : A:\Cpg.pto
Output Set: N:\CRF3\05032001\I832899.raw

```
207 ataaaaatat agtagaattt catttgtttt tttctatgct ataaatagga tccgataaag 60
208 tgaaaaataa ttctaattta ttgcacggta aggaagtaga atcataaaga a            111
211 <210> SEQ ID NO: 14
212 <211> LENGTH: 53
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer to
218       amplify the p11k7.5 promoter
220 <400> SEQUENCE: 14
221 gggggatccc ccgggctgca gaagcttttc tttatgattc tacttcctta ccg           53
224 <210> SEQ ID NO: 15
225 <211> LENGTH: 50
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Description of Artificial Sequence: antisense PCR
231       primer to amplify the p11k7.5 promoter
233 <400> SEQUENCE: 15
234 gggggggagat ctaagcttgt cgacataaaa atatagtaga atttcatttg              50
237 <210> SEQ ID NO: 16
238 <211> LENGTH: 77
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
244       sequence
246 <400> SEQUENCE: 16
247 gatggtgaca gggggaatgg caagcaagtg ggatctcgag ttgggtgact ttggtgacag 60
248 atactactgt gtttaag                                                   77
251 <210> SEQ ID NO: 17
252 <211> LENGTH: 85
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
258       sequence
260 <400> SEQUENCE: 17
261 gatccttaaa cacagtagta tctgtcacca aagtcaccca actcgagatc ccacttgctt 60
262 gccattcccc ctgtcaccat ctgca                                          85
265 <210> SEQ ID NO: 18
266 <211> LENGTH: 32
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer to
272       amplify the 5' F13L flanking region of MVA
274 <400> SEQUENCE: 18
275 gagaggatcc gggtatctag ccacagtaaa tc                                  32
```

Input Set : A:\Cpg.pto
Output Set: N:\CRF3\05032001\I832899.raw

278 <210> SEQ ID NO: 19
279 <211> LENGTH: 32
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Description of Artificial Sequence:Description of
285   Artificial Sequence :antisense PCR primer to
286   amplify the 5' F13L flanking region of MVA
288 <400> SEQUENCE: 19
289 tttcgaattc ggaatctgta ttctcaatac cg   32
292 <210> SEQ ID NO: 20
293 <211> LENGTH: 33
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer to
299   amplify the 3' F13L flanking region of MVA
301 <400> SEQUENCE: 20
302 atctgaattc gtggagatga tgatagttta agc   33
305 <210> SEQ ID NO: 21
306 <211> LENGTH: 34
307 <212> TYPE: DNA
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: Description of Artificial Sequence: antisense PCR
312   primer to amplify the 3' F13L flanking region of
313   MVA
315 <400> SEQUENCE: 21
316 aacaggatcc cttatacatc ctgttctatc aacg   34

```
        VERIFICATION SUMMARY              DATE: 05/03/2001
        PATENT APPLICATION:  US/09/832,899    TIME: 16:19:08

        Input Set : A:\Cpg.pto
        Output Set: N:\CRF3\05032001\I832899.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
```